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(54) **SIMULTANEOUS TRANSMISSION METHOD AND DEVICE FOR VOICE SIGNAL/NON-VOICE SIGNAL**

(57) Abstract:

**PROBLEM TO BE SOLVED:** To attain simultaneous transmission/reception of a voice signal and a non-voice signal in digital mobile communication by allocating plural half rate channels to a full rate channel.

**SOLUTION:** A TDM/TDMA processing section 2 allocates two half rate channels to a full rate channel under the control of a control section 1, and a voice signal and a non-voice signal are allocated alternately to each slot. Then the resulting signal is sent by a modulation/transmission processing section 3. Thus, the voice signal and the non-voice signal are sent to an opposite party through one phone call operation. Thus, a troublesome operation of operating two respective mobile stations is avoided and one mobile station sends simultaneously the voice signal and the non-voice signal.

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